

# UJWALA NEWSLETTER

## VISION:

To develop comprehensively trained and Socially responsible women electrical and electronics engineers with competencies and capabilities to adapt to new challenges.

## MISSION:

1. To empower the students adept at latest technologies by providing innovative learning environment.
2. To cultivate interdisciplinary research mind-set and outlook to develop engineering solutions.
3. To inculcate ethical behaviour and professional attitude in order to embrace holistic concept of living.



**VISHNU**  
UNIVERSAL LEARNING

**BVRIT HYDERABAD**

**College of Engineering for  
Women**



**BVRIT HYDERABAD**  
College of Engineering for Women

Plot No. 8-5/4, Rajiv Gandhi  
Nagar Colony, Nizampet Rd,  
Bachupally,

Phone: +9140 42417773

Email:

[principal@bvrithyderabad.edu.in](mailto:principal@bvrithyderabad.edu.in)

[Info@bvrithyderabad.edu.in](mailto:Info@bvrithyderabad.edu.in)



**Department of Electrical &  
Electronics Engineering**

July 2014, Volume 1, Issue 1,

**Dr Ch Sunil Kumar**  
Professor & HoD  
Ph: 9440545949

**Editorial Board:**

1. **Dr. Ch. Sunil Kumar** , HOD & Prof, EEE
2. **Mr. R Guruswamy**, Assoc. Prof. EEE
3. **Dr. S Faith Manjusha Vijayalatha** , Asst. Prof. BS&H
4. **G Laxmi Mounika EEE**, 2nd Year
5. **Sidda ravali EEE**, 2nd Year

# About the Department

Department of Electrical and Electronics Engineering (EEE) was established in the year 2012 with an intake of 60 students and affiliated to Jawaharlal Nehru Technological University Hyderabad, Hyderabad. The department is supported by experienced faculty and has full-fledged laboratories to meet the demands of present day scenario. Unlike the regular curriculum, department of EEE provides more practical exposure beyond the syllabus deliberated from II year onwards. The main aim of the Electrical and Electronic Engineering program is to develop enterprising professionals who have an innovative disposition, the confidence and abilities to assume leadership roles in technology, business and the community. The program is designed to give the skills essential for graduate engineers to become immediately employable in the global competitive environment. Department provides sufficient training with industry oriented people with hands on experience which help them to have an edge over others in this competitive world where science and technology are moving in a galloping pace. Presently department is headed by Dr.Ch.Sunil Kumar, M.Tech, Ph.D, MISTE. His research areas of interest are Electrical Power Systems, Deregulation, Electrical machines and magnetic fields.

## Program Educational Objectives

- 1: Propose effective solutions for complex Electrical and Electronics Engineering problems using modern techniques
- 2: Excel in their career and compete with their global peers in Techno-Scientific field
- 3: Exhibit good communication skills, ethical behaviour & social perception.
- 4: Stimulate economic growth and job Opportunities through entrepreneurship.

# HOD Message



**Dr. Ch Sunil Kumar**

M.Tech, Ph.D

Greetings from the EEE Department, BVRIT HYDERABAD College of Engineering for Women. It gives immense pride & pleasure to lead the Electrical & Electronics Engineering Department of this Esteemed & Prestigious Institute.

The department has specialized faculties in all important areas of Electrical Engineering such as Power Systems, Power Electronics & Drives, Control & Automation, Instrumentation, Internet of Things etc. The department works in the direction of nurturing the faculties and exposing them to world class infrastructure by providing world class training outside college campus. We provide ample opportunities to our faculty and students under the Departmental Association Deeptha through in house trainings, workshops Guest Lectures and Non technical Activities. Our Department consists of various laboratories like Basic Electrical Engineering, Electrical Machines, Power Electronics, Control Systems, and Measurements equipped with new technological setups giving the scope to all students having hands on experience individually. Which will increase the confidence to face the practical problems in the field of Electrical Engineering.

Industrial Visits and Internships are regularly planned to improve the practical Knowledge of the students and have a interaction with the industry people. We continue to play a leading role in our discipline which leads us towards creating innovative and effective professional graduate community which would vivacious and provide continuous learning. I extend my warm wishes to all budding Electrical Engineers.

## Faculty information



Dr. Ch. Sunil Kumar  
M.Tech, Ph.D  
HOD, Professor  
DoJ: 13th June 2013



Mr. R Guruswamy  
M.Tech, (Ph.D)  
Associate Professor  
DoJ: 15th May 2013



Mr. J Srinivasa Rao  
M.Tech, (Ph.D)  
Associate Professor  
DoJ: 10th June 2013



Mrs. Babita Gupta  
M.Tech,  
Assistant Professor  
DoJ: 2nd June 2014



Mr. G Sandeep  
M.Tech, (Ph.D)  
Assistant Professor  
DoJ: 5th June 2014



Mrs. K Amritha  
M.Tech, (Ph.D)  
Assistant Professor  
DoJ: 11th June 2014



- ◆ A Guest Lecture on HVDC Transmission lines was delivered to II-EEE students by Sri T. Krishna Rao, Executive Committee Member, AP Electricity Regulatory Commission on 20<sup>th</sup> March 2014.



- ◆ Guest Lecture on Innovative Projects by Sri. Subrata Dutta, CMC (Initiation of Entrepreneur and Development cell) on 22nd March 2014.

## Events organized

### Guest Lectures

- ◆ A Guest Lecture on Assistive Technology Lab (ATL) and ADK was delivered by Prof. Alan Rux, U-Mass, Lowell, USA on 10<sup>th</sup> August 2013.
- ◆ A Guest Lecture on Small Signal Analysis of BJT was delivered to II-EEE Students by Prof. N. Mangala Gouri, ECE, JNTU, Hyderabad under the Departmental Technical Association Deeptha on 24<sup>th</sup> Sep 2013.



- ◆ A Guest Lecture on Feedback amplifiers & Oscillators was delivered to II-EEE students by Mr. Srinivasa Rao, Associate Professor, ACE Engineering College, Hyderabad under Departmental Technical Association Deeptha on 15<sup>th</sup> March 2014.

### Workshops

- ◆ A Two Day workshop on Mobile Testing and Repair on 26<sup>th</sup> and 27<sup>th</sup> July 2013 under **Engineering Clinic & ISTE** in association with **SS Mobiles Training Institute**.



- ◆ Two Day Workshop on PCB Design on 23<sup>rd</sup> and 24<sup>th</sup> December 2013 Under IEL in association with Indo Global Services.



## Students Achievements

- ◆ Two Day Workshop on ATL on 26<sup>th</sup> & 27<sup>th</sup> December 2013 by Prof. Theresa Willkomm and her team from University of New Hampshire, USA (from Management and College side)



- ◆ National Level Students Tech Fest – Medhanvesh – 3<sup>rd</sup> & 4<sup>th</sup> January 2014.



- ◆ One Day workshop **Engineering Clinic** on servicing of Fan, Tube light etc on 12<sup>th</sup> March 2014.
- ◆ Public Talk on 24<sup>th</sup> July 2013.
- ◆ Mirchi Campus Rock Star on 28<sup>th</sup> September 2013.
- ◆ Rangoli competition on 11<sup>th</sup> January 2014.
- ◆ Project Expo was conducted in the department by the II-EEE Students under the IE(I) Students Chapter on 06<sup>th</sup> March 2014.

- ◆ B Shivani & K Mounika of II EEE won 1st prize for presenting a poster on Solar cells in rural Areas at MRIT, Hyderabad on 3<sup>rd</sup> August 2013.
- ◆ P Sanjana & I Alekhya of II EEE won II Prize for presenting a paper on Biomass at BVRITH, on 3<sup>rd</sup> and 4<sup>th</sup> of January 2014.
- ◆ K Priyanka & K Navya of II EEE Won II Prize for presenting a paper on Green fuel at MREC, Hyderabad on 31<sup>st</sup> January & 1<sup>st</sup> February 2014.
- ◆ A Seeta Bhargavi & Preetica of II EEE Won III Prize for presenting a paper on Control Strategy in power Management at Gitam, Hyderabad on February 28<sup>th</sup> & March 1<sup>st</sup> 2014.
- ◆ P Sanjana & I Alekhya of II EEE won III Prize for presenting a paper on Wind Energy at MJCET, Hyderabad on 6<sup>th</sup> and 7<sup>th</sup> of March 2014.
- ◆ S Swapna Priya & N Sowmya of II EEE won III Prize for presenting a paper on Biomass at BVRIT, Narsapur on 13<sup>th</sup> & 14<sup>th</sup> March 2014.
- ◆ P Sanjana & I Alekhya of II EEE won II Prize for presenting a paper on Non Conventional Energy Sources at JNTUH, Hyderabad on 14<sup>th</sup> and 15<sup>th</sup> of March 2014.
- ◆ K Tejavathi, Y Laxmi & J Nikitha of II EEE won III Prize for presenting a project on Battery Mobile Charger at BVRIT, Narsapur on 13<sup>th</sup> & 14<sup>th</sup> March 2014.
- ◆ M Sadvi Reddy of II EEE won 1st Prize for presenting a poster on Uttarakand Disaster at MRIT Hyderabad on 3<sup>rd</sup> August 2013.
- ◆ Y Gouthami & N B Annapurna of II EEE won 1st Prize for presenting a project on AC Power LEDs without Rectifiers at BVRITH, Hyderabad on 3<sup>rd</sup> & 4<sup>th</sup> January 2014.

## Technical Chapters Inauguration

- ◆ Institution of Engineers (IEI) Technical Student Chapter is Inaugurated in the department on 20<sup>th</sup> March 2013.



- ◆ Departmental Technical Association Deeptha was Inaugurated on 20<sup>th</sup> March 2013.



## Industrial Visits

- ◆ II EEE along with 4 faculty members visited “**Manjeera water treatment plant**” at Sangareddy on 27<sup>th</sup> July 2013.
- ◆ Industrial Visit to Hindu Press on 2<sup>nd</sup> & 4<sup>th</sup> September 2013.
- ◆ II EEE along with 4 faculty members visited “**132/33kV AP-TRANSCO Sub Station**” at Bollaram, Medak Dist. on 21<sup>st</sup> March 2014.

# Faculty Achievements

- ◆ **Mr. Srinivasa Rao Jalluri** submitted his Ph.D Thesis on “**Direct Torque Control of Induction Motor using Fuzzy Logic Control**” to JNTUH, Hyderabad under the supervision of Dr. P V Shankar Ram, JNTUH, on 5th September 2013.
- ◆ **Dr. Chava Sunil Kumar** completed his Ph.D on “**Transmission Loading Relief in Deregulated Power Systems**” from JNTUH, Hyderabad under the supervision of Dr. P S Subramanyam Retired Professor JNTU Ananthapur in October 2013.
- ◆ **R. Guru Swamy** is registered for the course of Ph.D in JNTUK, Kakinada under the supervision of in November 2013.
- ◆ **Chava Sunil Kumar and Srinivasa Rao Jalluri** published a paper entitled “**Performance of Fuzzy Logic Based Power System Stabilizer**”, Proceedings of National Conference on Emerging Technologies in Electrical and Electronics Engineering under TEQIP-II, SVECW, Bhimavaram, 7th-8th Feb'2014.
- ◆ **Srinivasa Rao Jalluri and Chava Sunil Kumar** published a paper entitled “**Novel Adaptive Neuro-Fuzzy Control for Grid Connected Renewable Energy Source**”, Proceedings of National Conference on Emerging Technologies in Electrical and Electronics Engineering under TEQIP-II, SVECW, Bhimavaram, 7th-8th Feb'2014.
- ◆ **R. Guru Swamy** published a paper entitled “**Multilevel Adaptive Neuro - Fuzzy Controller for Robot Vehicle**”, Proceedings of NCRAM-2014, JNTUH, Hyderabad, 12<sup>th</sup> - 13<sup>th</sup> March 2014.
- ◆ **Dr. Chava Sunil Kumar** acted as a Judge for the technical fest “**SANKALP2k14**” organized by Vijaya Krishna Institute of Technology and Sciences, Shamshabad, R.R. Dist. on 29-03-2014.

# Toppers

- ◆ First Year Toppers for the Academic Year 2012-13



Adavelli Jyothi  
(84%)  
12WH1A0204



G Lakshmi Mounica  
(82%)  
12WH1A0219



A Ahusha  
(80.6%)  
12WH1A0203

- ◆ Second Year First Semester topper for the Academic Year 2013-14



Gaja Kiranmai  
(85.2%)  
12WH1A0218



Edrapalli Sushmitha  
(84.8%)  
12WH1A0215



G Lakshmi Mounica  
(84.67%)  
12WH1A0219

- ◆ Second Year Second Semester topper for the Academic Year 2013-14



Adavelli Jyothi  
(84.4%)  
12WH1A0204



V Mounika Reddy  
(83.3%)  
12WH1A0251



G Kiranmai  
(81.2%)  
12WH1A0218

- ◆ First Year Topper for the Academic Year 2013-14



Sudeepthi Talla  
(86%)  
13WH1A0253



Konkala Ramya  
(84%)  
13WH1A0254



C Alekhya  
(82.3%)  
13WH1A0237